

Title (en)  
Particle counter.

Title (de)  
Partikelzähler.

Title (fr)  
Compteur de particules.

Publication  
**EP 0427908 B1 19940907 (DE)**

Application  
**EP 90109047 A 19900514**

Priority  
DE 8912584 U 19891024

Abstract (en)  
[origin: US5122655A] A particle counter operates by the opacity method and has a light barrier or electric eye. The light beam of the light barrier or electric eye penetrates a measuring channel for a fluid transverse to the passage of the fluid through the channel. An electronic analysis assembly is connected in series following the receiver of the light barrier or electric eye. The light emitting surface of the light barrier or electric eye is formed by the end surface of a light-emitting fiber. The light inlet or receiving surface is formed by the end surface of a receiving fiber. The end surface of light-emitting fiber lies in a first boundary surface of the measuring channel. The end surface of the receiving fiber is concentric to the light-emitting fiber end surface and is located in a second boundary surface of the measuring channel parallel to the first boundary surface.

IPC 1-7  
**G06M 11/00**; **G06M 1/10**

IPC 8 full level  
**G01N 15/14** (2006.01); **G01N 21/05** (2006.01); **G06M 1/10** (2006.01); **G06M 11/00** (2006.01)

CPC (source: EP US)  
**G01N 15/1431** (2013.01 - EP US); **G01N 21/05** (2013.01 - EP US); **G06M 1/101** (2013.01 - EP US); **G06M 11/00** (2013.01 - EP US); **G01N 33/2888** (2013.01 - EP US); **G01N 2015/144** (2013.01 - EP US); **G01N 2015/1486** (2013.01 - EP US); **G01N 2015/1493** (2013.01 - EP US); **G01N 2201/0621** (2013.01 - EP US); **G01N 2201/0623** (2013.01 - EP US); **G01N 2201/08** (2013.01 - EP US)

Citation (examination)  
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Cited by  
DE102017008580A1; DE19735066C1; DE102006048919B4; EP3327437A3; DE19627587C2; DE10343457B3; DE10343457C5; CN111316000A; EP1712894A1; DE10247353A1; DE102010008446A1; WO2005038434A1; EP2479553A2; WO2019052872A1; US11434944B2; EP1549926B1

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